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37 CFR 1.97 and 1.98:

document;

PATENT

First Class Mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450. Date of Signature and Deposit: 5-7-04 Michael A. Jaskolski, Reg. No. 37,551 IN THE UNITED STATES PATENT AND TRADEMARK OFFICE Client Docket No. 03AB049 Applicants: David W. Farchmin Serial No .: 10/816,367 April 1, 2004 Filing Date: Location Based Material Handling And Process Title: Art Unit: Examiner: Atty Docket: 110003.00027 INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 CFR 1.97 Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450 Sir:

A translation or a concise explanation of each non English language document is enclosed herewith. This paper is submitted in accordance with: 37 CFR 1.97(b) [within 3 months of filing or prior to 1st Office Action] 37 CFR 1.97(c) [before Final Office Action or Notice of Allowance]; and ☐ The required certification made under the heading "Certification" below; or

A list of documents on form PTO-1449 together with copies of each identified

The following are submitted in the above-identified application in compliance with



		The \$ fee specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized under the heading "Authorization to Charge Fees" below.
	37 CF	R §1.97(d) [before issue fee payment]; and
	under PETIT	This is a petition for consideration of the subject Information Disclosure nent. The petition fee \$ required by 37 CFR 1.17(i)(1) is authorized the heading "Authorization to Charge Fees." (Direct this letter to "Attention TIONS EXAMINER" and if applicable include batch locator information: e.g. wed Files, Batch, Date of Allowance"),
	b)	The required Certification is stated under the heading "Certification" below.
	Certifi	cation
		Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
		No item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this document after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.
V	Autho	rization to Charge Fees
		charge all applicable fees associated with the submittal of this Information sure Statement to Deposit Account 17-0055.

Respectfully submitted, DAVID W. FARCHMIN

By:

Michael A. Jaskolski
Atterney for Applicant
Reg No.: 37,551
Quarles & Brady LLP
411 East Wisconsin Avenue
Milwaukee, WI 53202

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of 4

Complete if Known						
Application Number	10/816,367					
Filing Date	04-01-2004					
First Named Inventor	David W. Farchmin					
Group Art Unit						
Examiner Name						
Attorney Docket Number	110003.00027.03AB 049					

			U.S. PATENT DOC	JMENTS	
Examiner Initials*	Cite No.1	U.S. Patent Documen Kind Coc Number (if known	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	5,835,061	Stewart	11-10-98	
	2	6,060,993	Cohen	05-09-00	
	3	5,960,085	de la Huerga	09-28-99	
	4	4,612,620	Davis. et al.	09-16-86	
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	7	2001/0024174	Turner	09-27-01	
	8	5,751,221	Stanfield, et al.	05-12-98	
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Examiner Initials*	Cite No.1	Office	Foreign Patent Doo	Cument Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
✓	1		0 992 921 A2		Lucent Technologies Inc	12.04.2000		T
,	2		WO 00/50919		Micosoft Corporation	31.08.2000		
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_	4		WO 02/43428 A	A1	Tele-Com Italia Lab s.p.	30.05.2002		
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~	б		WO 02/12992 A	\2	IBM United Kingdom Lir	14.02.2002		
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	9		WO 00/17737		Kemink et al	30.03.00		T
~	10		WO 01/82032	A2	Baker, Richard A.	01.11.2001		П

Examiner	Date	
Signature	 Considered	

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2

7 ppilodion (valido)	10/816,367	
Filing Date	04-01-2004	
First Named Inventor	David W. Farchmin	
Art Unit		
Examiner Name		

Attorney Docket Number 110003.00027.03AB049

	_		U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number  Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	20	US- 6.167.464	12-26-00	Kretschmann .	<b>J</b>
-	21	^{US-} 5,907,491	05-25-99	Canada et al	
	22	^{US-} 2002/0030094 A1	03-14-02	Curry et al	
	23	^{US-} 2002/0167417 A1	11-14-02	Wells, II et al	
	24	^{US-} 2002/0058499 A1	05-16-02	Ortiz	
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	36	^{US-} 6.611.755 B1	08-26-03	Coffee et al	
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Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ^{3 -} Number ^{4 -} Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶
	11	WO 02/05107 A1	17.01.2002	Swales, Andrew		
·	12	EP 0 801 342 B1	08.01.2003	Carpenter, et al		
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,	14	WO 02/13557 A1	14.02.2002	Keller, et al		
	15	WO 01/41546 A2	14.06.2001	Brumitt et al		

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Examiner	- · · · · · · · · · · · · · · · · · · ·	Date	
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Signature		Considered	
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Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

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				Application Number	10/816,367		
INF	ORMATION	DI	SCLOSURE	Filing Date	04-10-2004		
STATEMENT BY APPLICANT				First Named Inventor	David W. Farchmin		
				Group Art Unit			
	(use as many shee	ets a	s necessary)	Examiner Name			
Sheet	3	of	4	Attorney Docket Number	110003.00027.03AB049		

			U.S. PATENT DOCU	JMENTS	
Examiner Initials	Cite No.1	U.S. Patent Document  Kind Code ² Number  (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	39	4,728,959	Maloney et al	Mar. 1, 1988	
	40	5,119,104	Heller	Jun. 2, 1992	
	41	6,026,304	Hilsenrath et al	Feb. 15, 2000	
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	<b>5</b> 4	6,381,502	Budder et al	04-30-02	
	54	0,001,002	Rudder et al	04-30-02	

				FOR	EIGN PATENT DOCUMENT	rs		
Examiner Initials	Cite No.1	Office	Foreign Patent Docu  Number ⁴	ment Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	16		WO 01/22118 A	2	James G. Seal	29.Mar.2001		
ب	17		WO 99/39219		Belcher, et al	5.Aug.1999		
	18		WO 01/82032 A	2	Baker, Richard A.	01.11.2001		
		†					· · · · · ·	†
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Examiner	Date	<u> </u>
Signature	Considered	

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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Substitute for form 1449B/PTO		Complete if Known				
				Application Number	10/816,367	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			DISCLOSURE	Filing Date	04-01-2004	
			APPLICANT	First Named Inventor	David W. Farchmin	
			7.11 - 2107.1111	Group Art Unit		-
	(use as	many shee	ets as necessary)	Examiner Name		
Sheet	4	of	4	Attorney Docket Number	110003.00027.03AB 049	

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
	1	A Statistical Modeling Approach to Location Estimation; IEEE Transactions on Mobile Computing; Vol. 1, No. 1, Jan-Mar 2002; pg. 59-69; Roos, et al			
Ų	2	A Probabilistic Approach to WLAN User Location Estimation; International Journal of Wireless Information Networks, Vol. 9, No. 3, pg. 155-164; Roos, et al.			
~	3	A Statistical Modeling Approach To Location Estimation; Master's Thesis, Univ. of Helsinki, Department of Computer Science, May 5, 2001, Teemu Tonteri			
~	4	An Indoors Wireless Positioning System Based On Wireless Local Area Network Infrastructure (13 pgs), SatNav 2003, Melbourne, Australia 7/22-25/03, Wang et al			
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Examiner	Date	
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